

# Slingshot

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 An abbreviated version of this protocol was published in eLIFE in Nov 2020

Single nuclei RNA-seq of mouse placental labyrinth development

DOI: 10.7554/eLife.60266

## Detailed protocol

Slingshot was used according to instructions from the developers found here:

<https://bioconductor.org/packages/devel/bioc/vignettes/slinsshot/inst/doc/vignette.html>

<https://github.com/kstreet13/slinsshot>

Attached is the R code used perform slingshot on the integrated trophoblast dataset to perform trajectory inference from LaTP to the SynTI, SynTII, and S-TGC.

The input files as R objects can be downloaded here: [https://figshare.com/projects/Single\\_nuclei\\_RNA-seq\\_of\\_mouse\\_placental\\_labyrinth\\_development/92354](https://figshare.com/projects/Single_nuclei_RNA-seq_of_mouse_placental_labyrinth_development/92354)

## Related files

 mouse.troph.combined.slinsshot.txt



**How to cite:** (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Marsh, B. and Marsh, B. (2022). Slingshot. Bio-protocol Preprint. [bio-protocol.org/prep1598](https://bio-protocol.org/prep1598).
2. Marsh, B. and Blleloch, R.(2020). Single nuclei RNA-seq of mouse placental labyrinth development. eLIFE. DOI: [10.7554/eLife.60266](https://doi.org/10.7554/eLife.60266)

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